

STEPPED VOLTAGE CONTROLLER FOR CERAMIC OXYGEN GENERATING SYSTEMS

Abstract of Disclosure

A power supply (S) for a gas generating system (G) of the type including a barrier system (10) permeable to selected charged particles (12) flowing from a first side (14) to a second side (16) includes a direct current (DC) power source (18) in an electrical power circuit (20) connected across the first and second sides of the permeable barrier system (10). A plurality of resistive elements (22) are parallel connectable in the electrical circuit (20). Switches (24) selectively connect a desired resistive element (22) between the power source (18) and barrier system (10). A controller (26) activates certain switches (24) to connect a corresponding resistor (22) in the circuit (10) to controllably vary the flow of charged particles across the permeable barrier (10).

Figures